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Applicant(s): O'SULLIVAN

Serial No. Unknown (Parent Serial No. 09/884.894)

Filed: Herewith (Parent: June 19, 2001)

For: BIFIDOBACTERIA AND SIDEROPHORES PRODUCED THEREBY AND METHODS OF USE

Amendments to the Claims

This listing of claims replaces all prior versions, and listings, of claims in the aboveidentified application:

1-40. Canceled

- 41. (Original) A composition comprising an isolated *Bifidobacterium* and either a food or a beverage, wherein the isolated *Bifidobacterium*, when cultured in a medium comprising at least about 0.3 mM 2,2'-dipyridyl, secretes a siderophore, and wherein the siderophore inhibits growth of *Lactococcus lactis*.
- 42. (Original) The composition of claim 41 wherein the food comprises a dairy product.
- 43. (Original) The composition of claim 42 wherein the dairy product is a solid dairy product or a semi-solid dairy product.
- 44. (Original) The composition of claim 42 wherein the dairy product is cottage cheese, cheese, powdered milk, milk, or yogurt.
- 45. (Original) The composition of claim 41 wherein the beverage comprises milk, vegetable juice, fruit juice, soy milk, soybean milk, fermented soybean milk, or a fruit flavored beverage.
- 46. (Original) The composition of claim 41 wherein the isolated *Bifidobacterium* is encapsulated or in a tablet.
- 47. (Original) The composition of claim 41 wherein the composition comprises substantially no free iron, comprises an iron chelator, or a combination thereof.
- 48. (Original) A method for administering a live microbial feed supplement, comprising: providing an isolated *Bifidobacterium*, wherein the isolated *Bifidobacterium*, when

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cultured in a medium comprising at least about 0.3 mM 2,2'-dipyridyl, secretes a siderophore, and wherein the siderophore inhibits growth of *Lactococcus lactis*; and administering the isolated *Bifidobacterium* to an animal.

- 49. (Original) The method of claim 48 wherein the animal is a human.
- 50. (Original) The method of claim 49 wherein the human is an infant.
- 51. (Original) The method of claim 48 wherein the isolated *Bifidobacterium* is present in a composition comprising either a food or a beverage.
- 52. (Original) The method of claim 51 wherein the food comprises a dairy product.
- 53. (Original) The method of claim 52 wherein the dairy product is a solid dairy product or a semi-solid dairy product.
- 54. (Original) The method of claim 52 wherein the dairy product is cottage cheese, cheese, powdered milk, milk, or yogurt.
- 55. (Original) The method of claim 51 wherein the beverage comprises milk, vegetable juice, fruit juice, soy milk, soybean milk, fermented soybean milk, or a fruit flavored beverage.
- 56. (Original) The method of claim 51 wherein the isolated *Bifidobacterium* is encapsulated or in a tablet.
- 57. (Original) The method of claim 48 wherein the isolated *Bifidobacterium* is secreting the siderophore when administered to the animal
- 58. (Original) The composition of claim 51 wherein the composition comprises substantially no free iron, comprises an iron chelator, or a combination thereof.